

(2.00 mm) .0787"

ESQT-125-02-L-Q-465

ESQT-125-03-M-Q-310

ESQT-115-02-GF-D-600

ESQT SERIES

# FLEXIBLE ELEVATED SOCKET STRIPS

## SPECIFICATIONS

For complete specifications see [www.samtec.com?ESQT](http://www.samtec.com?ESQT)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Sn or Au over

50  $\mu$ " (1.27  $\mu$ m) Ni

**Current Rating (ESQT/TMMH):**

4.5 A per pin

(2 pins powered)

### Operating Temp Range:

-55 °C to +125 °C

### Insertion Depth:

(2.62 mm) .103" to

(5.03 mm) .198" with

(0.38 mm) .015" wipe

### Max Cycles:

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

### RoHS Compliant:

Yes

### Lead-Free Solderable:

Yes, for -S, -D & -Q

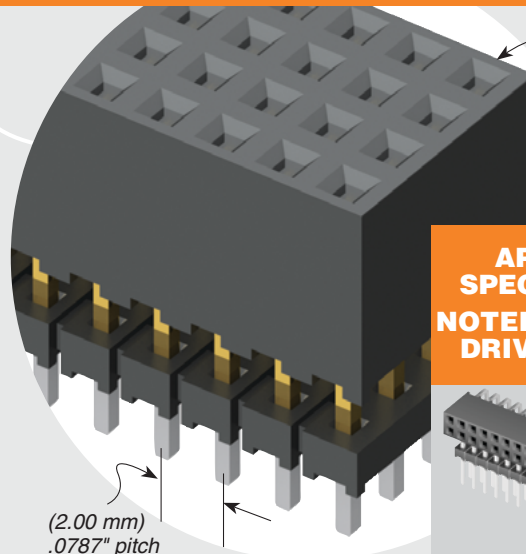
(Wave only for -T, -5 & -6)

### Board Mates:

TMMH, TMM, MTMM,  
MMT, TW, LTMM, ZLTMM,  
ESQT, PTT, TSH, TTMS

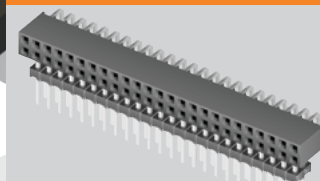
### Cable Mates:

TCMD



High-retention  
contacts

## APPLICATION SPECIFIC OPTION: NOTEBOOK 2.5" DISK DRIVE INTERFACE



Call for part number.

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

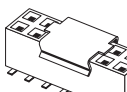


**Note:**  
This Series is non-standard,  
non-returnable.

## Other Solutions

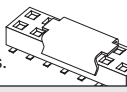
### Surface Mount

See SQW and TLE Series.



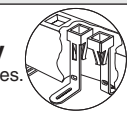
### Low Profile

See CLT Series.



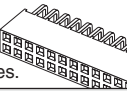
### High Reliability

See SMM Series.



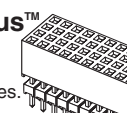
### Right-Angle

See SQW Series.



### PC/104-Plus™ Sockets

See ESQT-368 and PTHF Series.



| ESQT       | 1 | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                                                                                                                                                                                                                   | ROW OPTION                                                                                                                                                                              | BODY HEIGHT                                                                                                                           | OTHER OPTION                                                    |
|------------|---|------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 02 thru 50 |   |                  | Specify LEAD STYLE from chart | <b>-F</b><br>= Gold flash on contact, Matte Tin on tail<br><br><b>-L</b><br>= 10 $\mu$ " (0.25 $\mu$ m)<br>Gold on contact, Matte Tin on tail<br><br><b>-M</b><br>= 20 $\mu$ " (0.51 $\mu$ m)<br>Gold on contact, Matte Tin on tail<br><br><b>-GF</b><br>= 15 $\mu$ " (0.38 $\mu$ m)<br>Gold on contact, Gold flash on tail (Recommended for self-nesting) (-02 lead style only) | <b>-S</b><br>= Single Row<br><br><b>-D</b><br>= Double Row<br><br><b>-T</b><br>= Triple Row<br><br><b>-Q</b><br>= Quad Row<br><br><b>-5</b><br>= Five Row<br><br><b>-6</b><br>= Six Row | <b>"XXX"</b><br>= Body Height (in inches)<br><br>(7.87 mm) .310" minimum for -S, -D, -Q<br><br>(9.53 mm) .375" minimum for -T, -5, -6 | <b>"XXX"</b><br>= Polarized Position (Indicate position number) |

Diagram dimensions: No. of positions x (2.00) .0787 + (0.30) .012. Pin pitch: (2.00) .0787 TYP. Dimensions: 300, 06, 295, 01, (6.35) .250, (1.52) .060, (0.50) .020 SQ, (2.00) .0787.

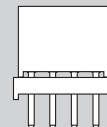
  

Diagram dimensions: BODY HEIGHT, TAIL (1.27) .050 MIN, A.

| LEAD STYLE | A            | MAX TAIL     | MAX BODY HEIGHT |
|------------|--------------|--------------|-----------------|
| -02        | (21.59) .850 | (13.72) .540 | (20.32) .800    |
| -03        | (11.63) .458 | (3.76) .148  | (10.36) .408    |

## OTHER SOLUTIONS



Paste In Hole (PIH) processing.  
Contact Samtec ASP Group.  
(Not recommended for stack through applications)

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.  
Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.